

FIG. 14

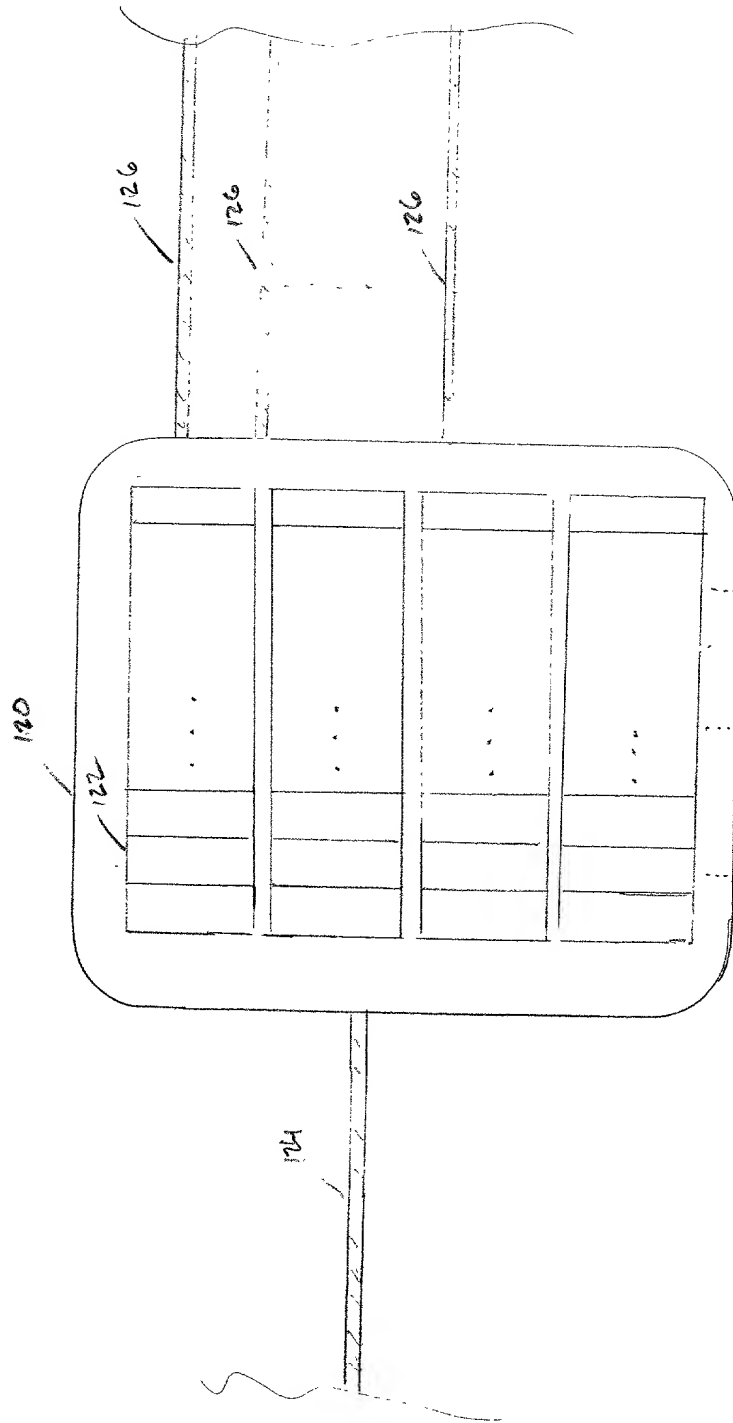


FIG. 1B

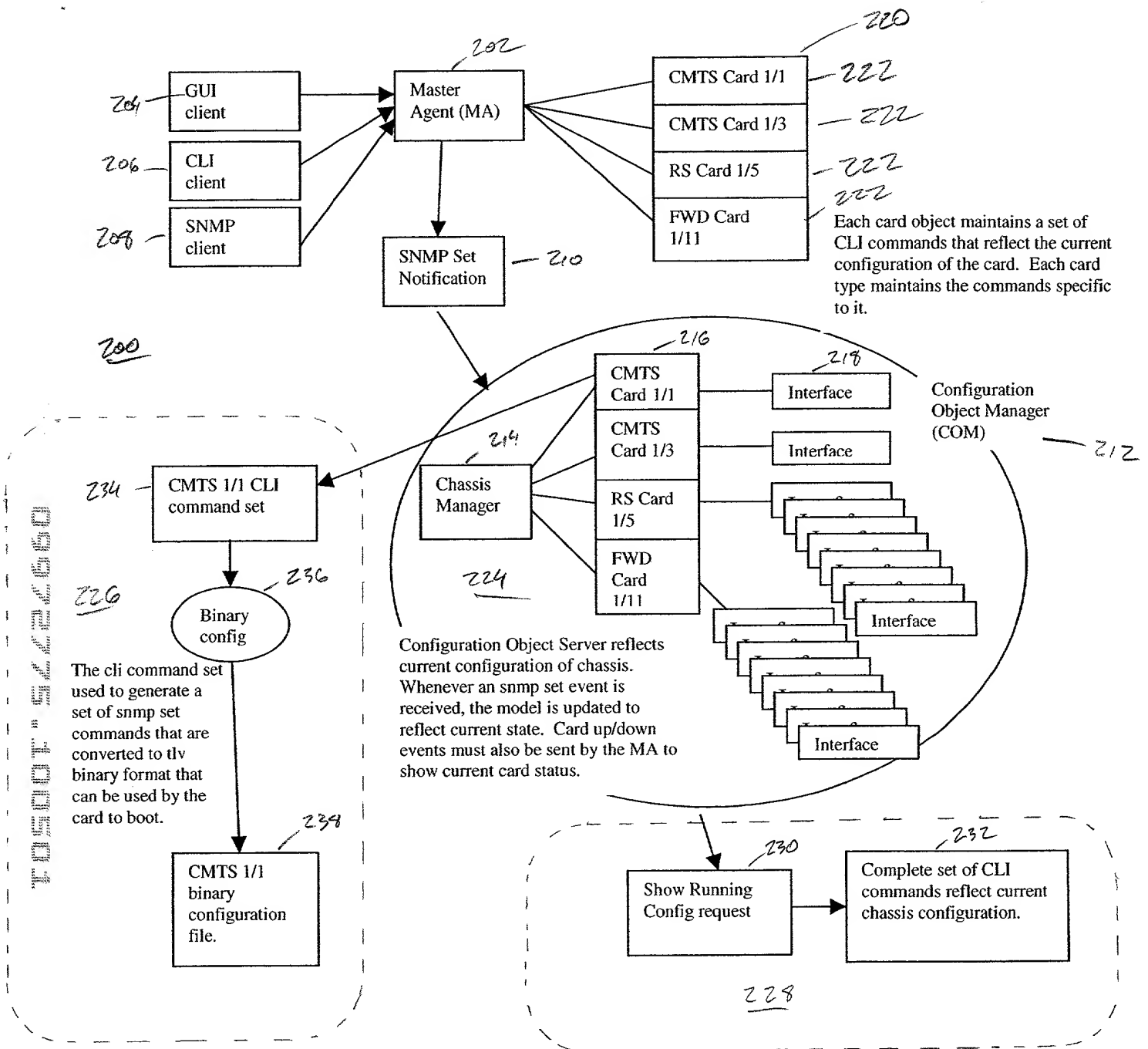


FIG. 2.

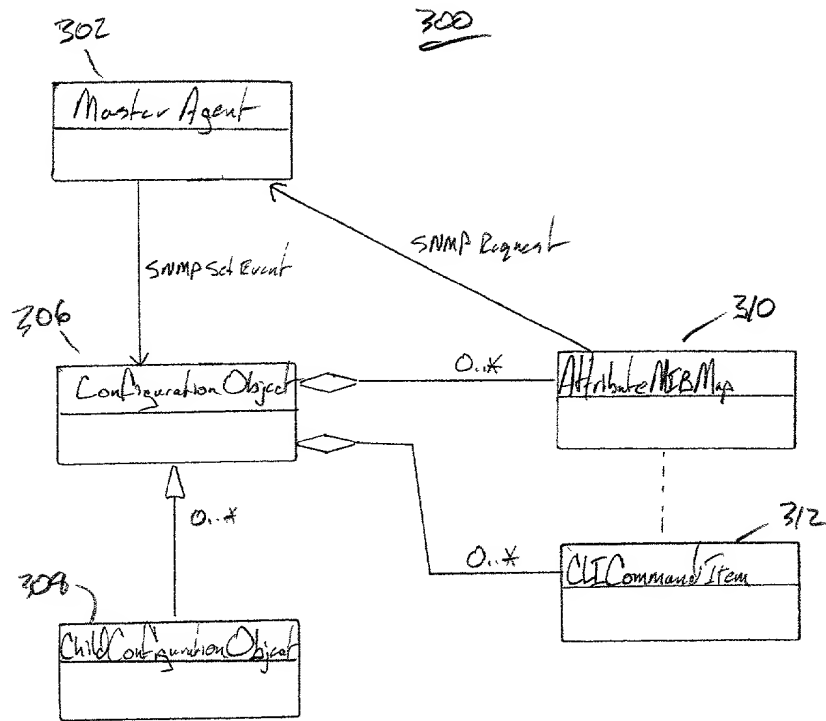


FIG. 3

The diagram illustrates the Net-SNMP agent architecture with the following components and relationships:

- MasterAgent** (402) sends snmp request to **snmpSetEvent** (404) and receives notification from it.
- snmpSetEvent** (404) contains **instance**, **mibName**, and **value**.
- ConfigurationObject** (400) contains **instance** and methods: **buildCommands()**, **getAttribute()**, **setAttribute()**, **initialize()**, **getIndex()**, **getCSP()**, **write()**, **read()**, **addConfigurationObject()**, **addAttributeMibMap()**, and **addCLICCommandItem()**. It contains **Attribute** (440) and **AttributeMibMap** (430).
- Attribute** (440) contains **attrName**, **mibName**, **mibType**, **defaultValue**, **value**, and **lastKnownValue**.
- AttributeMibMap** (430) contains **mibTable** and methods: **getInstance()**, **addAttribute()**, **processNameValue()**, **processSendNameValue()**, **snmpWrite()**, and **snmpRead()**.
- BasMibCommand** (442) contains **executeGet()** and **executeSet()**. It references **BasMibTable** (434).
- BasMibTable** (434) contains **instanceList** (436) and **sequenceList** (438).
- BasTableHelper** (432) contains methods: **getInstance()**, **processNameValue()**, and **processSendNameValue()**.
- CLICCommandItem** (444) contains **comment**, **header**, and **trailer**. It contains **buildCommands()**, **isModified()**, **isRequired()**, **addItem()**, **getItemList()**, **setRequired()**, and **setModified()**. It manages an **ordered list of parameters** (452).
- CLIPParameterItem** (452) contains **prefix**, **suffix**, and **index**. It contains **buildParameters()**, **addItem()**, **getItemList()**, **isModified()**, **setModified()**, **isRequired()**, and **setRequired()**. It manages **CLIPParameterSet** (454) and **CLIPParameterDefinition** (456).
- ConfigurationTableObject** (428) contains **getAttributeAt()**, **setAttributeAt()**, and **getRowCount()**.
- Device** (416) is a base class for **Chassis** (418), **Module** (420), and **Interface** (422).
- Module** (420) is a base class for **CMTModule** (422), **RSMModule** (424), and **FWD** (426).
- CLICCommandSet** (448) is a base class for **CLICCommandDefinition** (450).
- CLICCommandDefinition** (450) contains **bRepeats** and **commandBuffer**.
- CLIPParameterSet** (454) is a base class for **CLIPParameterDefinition** (456).
- CLIPParameterDefinition** (456) contains **paramName** and **lastValue**, and methods: **getAttribute()** and **getAttributeValue()**.

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